**Project Design Phase-I**

**Proposed Solution Template**

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| Date | 19 September 2022 |
| Team ID | PNT2022TMID36219 |
| Project Name | Project – Machine Learning Based Vechile Performance Analyser |
| Maximum Marks | 2 Marks |

**Proposed Solution Template:**

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| **S.No.** | **Parameter** | **Description** |
| 1. | Problem Statement (Problem to be solved) | Predicting the performance level of vehicle has some problems with based on complexities with data because it need about a million of relevant record to train an ML model |
| 2. | Idea / Solution description | Using Supervised Learning algorithm to know target value for the problem . In order to train such a model which can be identified as the vehicle parameters preferable with the variety of configuration are required as input variables. |
| 3. | Novelty / Uniqueness | In Machine Learning the dataset which will be  used in the training phase is a very important point to build successful prediction. |
| 4. | Social Impact / Customer Satisfaction | estimation of car’s life, fuel efficiency, and long-  distance driving efficiency, all of them involve parametric learning  Perdection may include and extend beyond drives safety performance, estimation of vechile’s life , fuel efficiency and long distance driving efficiency. |
| 5. | Business Model (Revenue Model) | Vehicle’s fuel consumption is influenced by external and internal factor. Although engine and vehicle type minimize the fuel consumption |
| 6. | Scalability of the Solution | The study concluded that fuel consumption rate and vehicle driver index (VDI), measure of driving behaviour, were deeply related. |